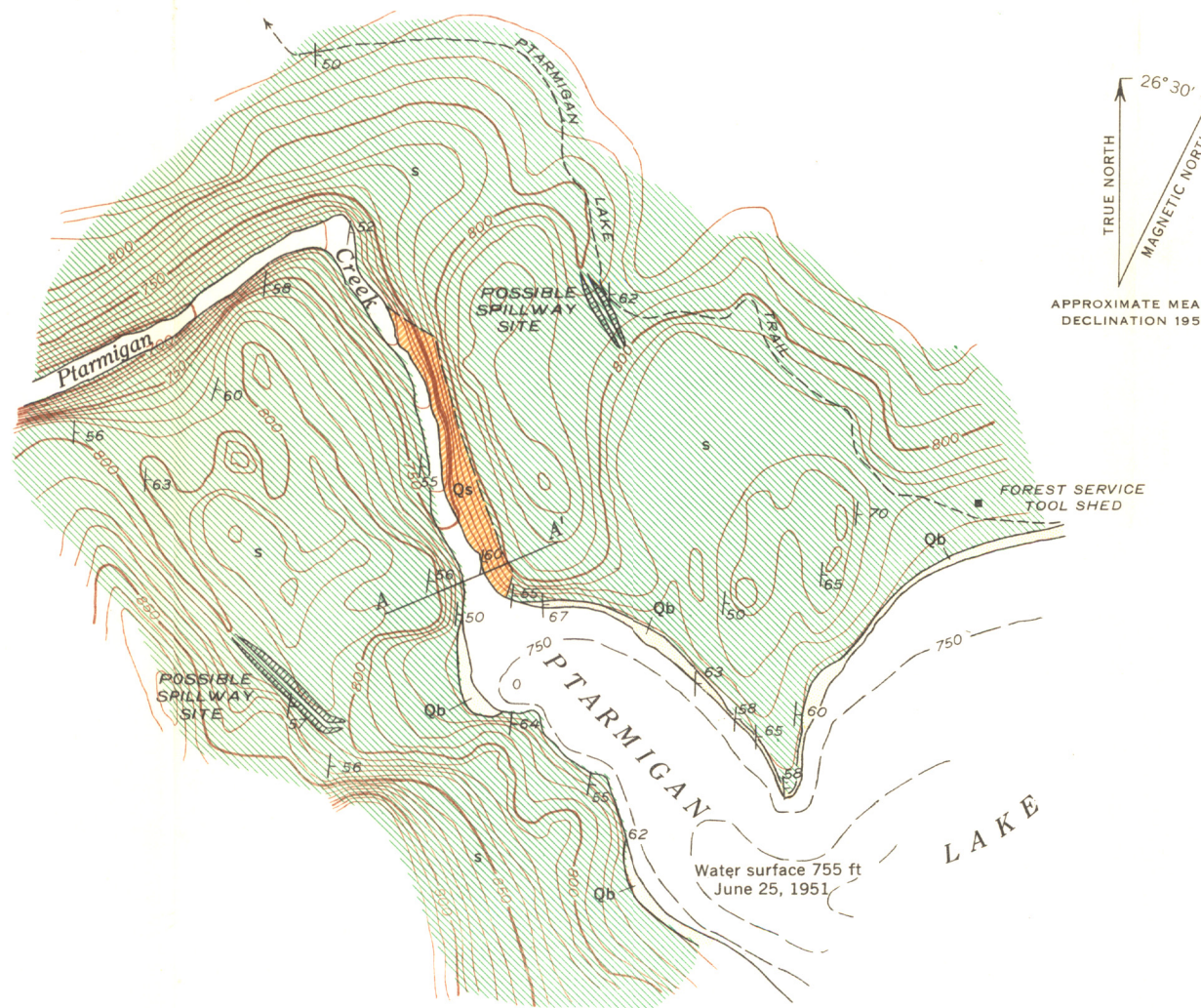


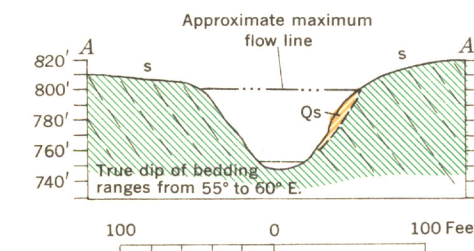
INDEX MAP



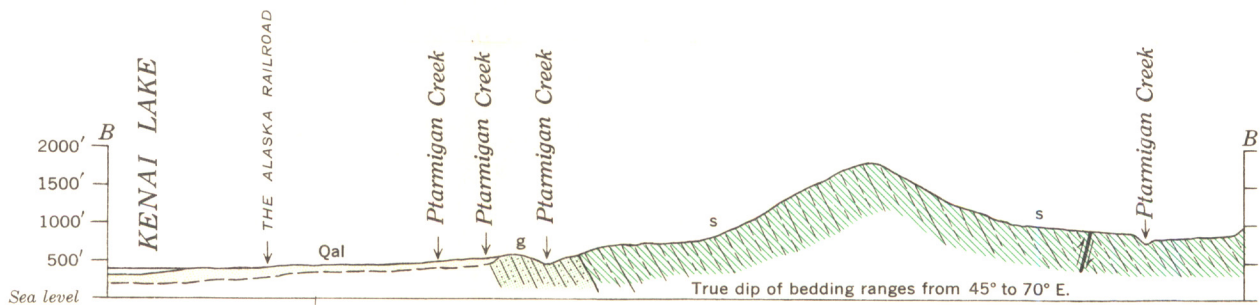
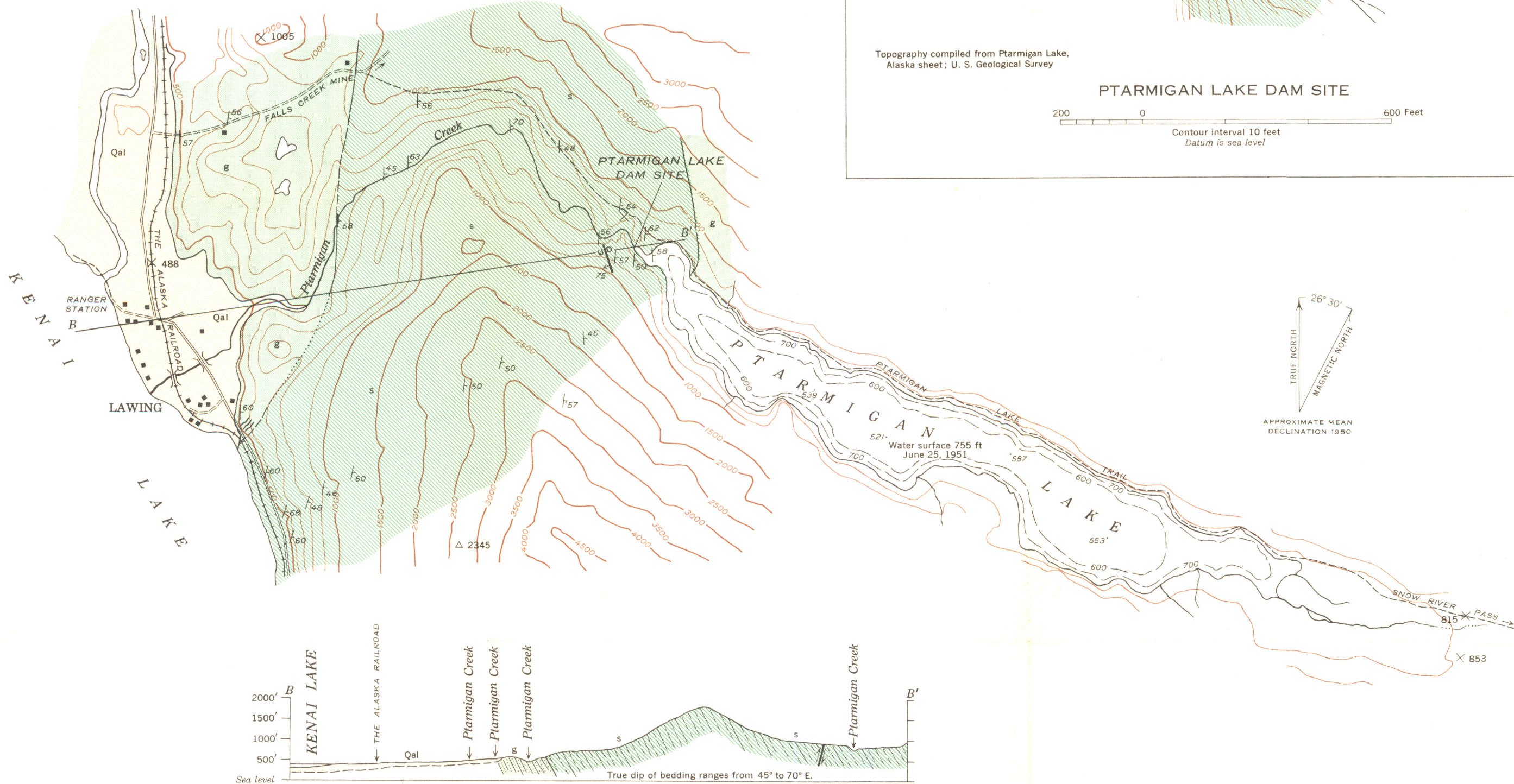
Topography compiled from Ptarmigan Lake, Alaska sheet, U. S. Geological Survey

PTARMIGAN LAKE DAM SITE

200 0 600 Feet
Contour interval 10 feet
Datum is sea level



- EXPLANATION
- UNCONSOLIDATED DEPOSITS
- Qb
Beach and stream deposits
Predominantly subrounded slate shingle in sand and gravel sizes
- Qs
Slumped rock
Slate with low dips due to slump and creep along creek bank
- BEDROCK
- s
Slate
Black, well consolidated, thinly bedded and slabby slate. Includes minor amounts of graywacke in lenses less than 2 inches thick
- QUATERNARY
- MESOZOIC
- Contact, dashed where approximately located
- Strike and dip of bedding
May be overturned



- EXPLANATION
- UNCONSOLIDATED DEPOSITS
- Qal
Alluvium
Predominantly silt, sand, pebble, and cobble gravel
- BEDROCK
- s
Slate
Black, thinly bedded and slabby slate with minor amounts of graywacke in thin lenses
- g
Graywacke
Gray to black in color, fine- to medium-grained, hard and massive. Interbedded with conglomerate and quartzite along north side of Ptarmigan Lake
- QUATERNARY
- MESOZOIC
- Contact, dashed where approximately located, dotted where inferred
- Fault, showing dip
U, upthrown side; D, downthrown side
- Shear zone with slickensided fractures containing as much as 1½ inches of clay gouge
- Strike and dip of bedding
May be overturned

Topography compiled from Ptarmigan Lake, Alaska sheet, scale 1:24,000, U. S. Geological Survey; and the Grant Lake quadrangle, scale 1:50,000, Corps of Engineers, U. S. Army

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. M. R. 7675

Geology by George Pfafker, August 1952

GEOLOGIC MAPS AND SECTIONS OF THE DAM SITE, TUNNEL SITE, AND PART OF RESERVOIR SITE AT PTARMIGAN LAKE, ALASKA

